Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/14/2021 09:17 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 09:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124058	-1	1.18	123947	1.18
Blue	F	SSC	125000	123812	-1	2.27	124186	2.15
Blue	E	FITC	13131	12686	-4	2.18	292	15.76
Blue	D	PE	24112	23848	-2	1.58	547	10.70
Blue	B	PerCP-Cy5-5	31295	30692	-2	2.92	1016	14.41
Blue	A	PE-Cy7	19939	19940	0	5.05	535	28.17
Red	C	APC	42122	41561	-2	2.94	1742	11.16
Red	A	APC-Cy7	22340	21806	-3	3.29	817	11.24
Violet	B	V450	7410	7052	-5	3.46	428	12.18
Violet	A	V500	28118	26655	-6	3.08	666	9.44

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22996	0.95	564	-5	N/A	N/A	Pass
Blue	F	SSC	57628	1.09	515	3	N/A	N/A	Pass
Blue	E	FITC	53	54.62	484	-3	0.0395	76	Pass
Blue	D	PE	114	36.61	487	-1	0.4011	279	Pass
Blue	B	PerCP-Cy5-5	190	35.14	583	-3	0.0201	53	Pass
Blue	A	PE-Cy7	107	66.33	626	-2	0.0236	3	Pass
Red	C	APC	404	23.60	576	0	0.0296	214	Pass
Red	A	APC-Cy7	183	27.49	550	-1	0.0072	1653	Pass
Violet	B	V450	61	60.31	454	1	0.0642	2154	Pass
Violet	A	V500	97	33.12	465	0	0.0294	919	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-32.08	-31.88	1.04
Blue	20.35	16.28 - 24.42	1.27	1.02 - 1.52	0.00	0.00	1.41
Red	16.95	13.60 - 20.40	N/A	N/A	30.39	30.48	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 11540

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments